



955207

2021 Annual Monitoring Report

**Woodstock Municipal Landfill Site
Woodstock, Illinois**

City of Woodstock

March 01, 2022

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Figure 1.1 Site Plan

1. Introduction

This report presents the results of the work conducted during 2021 at the Woodstock Municipal Landfill (Site) located in Woodstock, Illinois. As approved by United States Environmental Protection Agency (USEPA), groundwater and surface water monitoring are conducted at the Site on a biennial basis. On October 9, 2020, USEPA and Illinois EPA requested that no additional sampling be conducted until the existing Quality Assurance Project Plan (QAPP) be updated for the Site. The QAPP update is in process, and a revised QAPP will be submitted to USEPA and Illinois EPA for review in 2022. The next round of monitoring is scheduled for the Fourth Quarter of 2022.

1.1 Site Description

The Woodstock Municipal Landfill Site is a former municipal landfill on a parcel of land located on the south side of the City of Woodstock. The Site was originally a sand and gravel borrow pit. The landfilled area encompasses approximately 43 acres as detailed on the Site plan presented as Figure 1.1. The Site operated as a landfill from 1935 to 1975. Landfill disposal activities were discontinued in 1975, but the property was used to landfarm municipal sludge from 1983 to 1988. Between March 1976 and October 1980, much of the landfill was covered with a fill material. The construction of the landfill cap began in August 1999 and was completed in September 2000. In the fall of 2005, with USEPA approval, the City of Woodstock constructed a soccer complex on the Site. The complex consists of six soccer fields and parking facilities.

2. Monitoring Results

Monitoring was not conducted in 2020 or 2021 as noted above. The next round of monitoring, which will include groundwater elevation measurements, groundwater sample collection, and surface water sample collection, is scheduled for the Fourth Quarter of 2022. A Site Plan showing locations of Site monitoring wells and staff gauges is presented on Figure 1.1.

3. Landfill Gas

In accordance with the approved RD/RA Work Plan, Site landfill gas monitoring was conducted monthly for one year following construction of the landfill cap. Monitoring of Site gas probes and gas vents was concluded in September 2001. Additional gas monitoring has not been conducted since 2001.

4. Site Inspections

Site inspections were completed throughout the reporting period by The City of Woodstock. As approved by the USEPA, Site inspections are conducted at a minimum semi-annual frequency.

The annual Site inspection was conducted on December 15, 2021 with representatives of the City of Woodstock, and GHD Services Inc. (GHD) present. The landfill cap and gas vents were found to be in good condition, a small erosion area is present along the southeast corner of the parking lot. Flooding at the south end of the site has resulted in wells MW-12, PZ-1 and MW-8 being very close to the water line. This is not typical and likely due to a blocked culvert or drainage channel. The City will inspect the area, attempt to find the source of the flooding, and make corrections to reduce the flooding.

The erosion area may be repaired with imported rip rap to form a swale. Well risers may need to be added to MW-12, PZ-1 and MW-8 to raise the wells above the waterline in the event that the source of flooding is not found and corrected. The erosion repairs will be conducted in spring 2022 by the City. GHD will hire a licensed well driller to repair the wells in 2022, if needed.

5. Conclusions

The landfill is in good condition, and as noted above only minor repairs are needed.

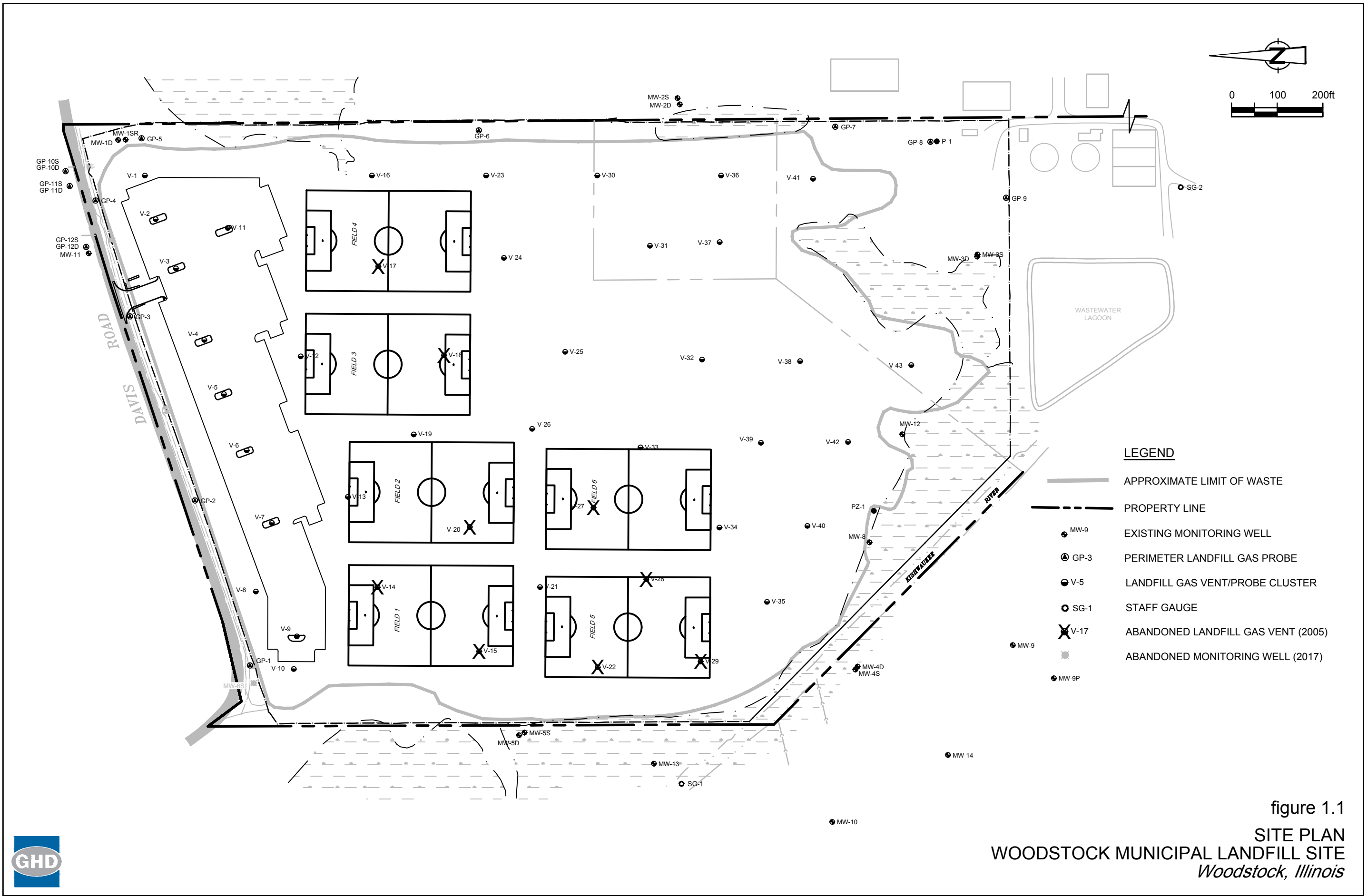
6. Recommendations

The next biennial monitoring event is scheduled for the Fourth Quarter of 2022. The 2022 monitoring event will include the measurement of groundwater and surface water elevations and collection of groundwater and surface water samples. An annual monitoring report will be submitted with details of the groundwater and surface water elevation measurements, the results of the groundwater and surface water samples, and the results of the Site inspections in the First Quarter of 2023.

Annual inspections will be conducted with the USEPA during the 4th quarter of each year. The next annual inspection is tentatively scheduled for October, 2022.

7. References

- Conestoga-Rovers and Associates 1997 "RD/RA Work Plan, Woodstock Municipal Landfill Site, Woodstock Illinois".





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